

Specifications

Type

Compact digital still camera with built-in flash, 4x Optical & 4x Digital & 16x Combined Zoom

Image Capture Device

Type

12.1 Megapixel, 1/2.3-inch type Charge Coupled Device (CCD)

Total Pixels

Approx. 12.7 Megapixels

Effective Pixels

Approx. 12.1 Megapixels

Lens

Focal Length

5.0 (W) - 20.0 (T) mm (35mm film equivalent: 28-112mm)

Digital Zoom

4x

Focusing Range

1.2 in. (3cm) - infinity (W); 2.6 ft. (80cm) - infinity (T)

Macro: 1.2 in-1.6 ft. (3-50cm (W)

Autofocus System

TTL Autofocus

Viewfinders

Optical Viewfinder

Available

LCD Monitor

2.7-inch TFT color wide viewing angle LCD

LCD Pixels

Approx. 230,000 dots

LCD Coverage

Approx. 100%

Aperture and Shutter

Maximum Aperture

f/2.8 (W) - f/5.9 (T)

Shutter Speed

1 - 1/1600 sec.

15 - 1/1600 sec. (Total shutter speed range)

Exposure Control

Sensitivity

Auto, ISO 80/100/200/400/800/1600

Light Metering Method

Evaluative*, Center-weighted average, Spot**

* Control to incorporate facial brightness in Face Detection AF

** Metering frame is fixed to the center

Exposure Control Method

AE Lock

Exposure Compensation

+/-2 stops in 1/30-stops increments

White Balance

White Balance Control

Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

(*Facial color is evaluated in Face AiAF).

Flash

Built-in Flash

Auto, On, Off, FE lock, Slow Synchro

Flash Range

12 in.-13 ft. (W), 1.6-6.6 ft. (T)/(30cm-4.0m (W), 50cm-2.0m (T))

Recycling Time

12 sec. or less (battery voltage=3.0V)

Flash Exposure Compensation

N/A

Shooting Specifications

Shooting Modes

P, Live View Control, Auto, Easy, SCN, Creative Filters, Discreet, Movie

Blur Reduction, Portrait, Landscape, Kids & Pets, Smart Shutter4 Low Light, Beach, Foliage, Snow, Fireworks, Long Shutter

Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect

Standard, Miniature Effect

Smile, Wink Self-timer, Face Self-timer

Photo Effects

My Colors Off, Vivid, Neutral, Sepia, Black & White, Custom*

* Adjustment of contrast, sharpness and saturation available.

Self Timer

Approx. 10-sec delay/approx. 2-sec. delay/custom**

Shooting start time (0-15 sec (in one-second increments), 20/25/30 sec.) and number of shots (1-10 (in one-second increments)) can be specified.

Wireless Control

N/A

Image Storage

Storage Media

SD/SDHC/SDXC Memory Card, MultiMediaCard, MMC Plus Card, HC MMC Plus Card

File Format

Design rule for camera file system, DPOF Version 1.1 complaint

JPEG Compression Mode

Still Image: Exif 2.3 (JPEG)

Movie: MOV (Image data: H.264; Audio data: Linear PCM (monaural))

Number of Recording Pixels

4000 x 3000 (Large), 2816 x 2112 (Medium 1), 1600 x 1200 (Medium 2), 640 x 480 (Small), 4000 x 2248 (Widescreen)



Number of Recordable Images

Image data

	Large (L)		Medium 1 (M1)		Medium 2* (M2)		Small (S)		Widescreen (W)	
	F	N	F	N	F	N	F	N	F	N
File Size (KB)	3,084	1,474	1,620	780	558	278	150	84	2,311	1,105
4GB	1,231	2,514	2,320	4,641	6,352	12,069	20,116	30,174	1,630	3,352
16GB	5,042	10,295	9,503	19,007	26,010	49,420	82,367	123,550	6,677	13,727

* When in Blur Reduction or Low Light.

Time of Recordable Movies

Movie data

	Standard			Miniature Effect					
	HD: 1280 x 720	640 x 480	320 x 240	HD: 1280 x 720			VGA: 640 x 480		
	24 fps**	30 fps***	30 fps***	5x	10x	20x	5x	10x	20x
				6 fps	3 fps	1.5 fps	6 fps	3 fps	1.5 fps
Video Size (KB/sec.)	2,345	1,240	319	573	287	143	246	123	61
4GB	26 min. 48 sec.	50 min. 17 sec.	3 hr. 2 min. 52 sec.	1 hr. 45 min. 52 sec.	3 hr. 21 min. 9 sec.	5 hr. 35 min. 16 sec.	3 hr. 43 min. 30 sec.	6 hr. 42 min. 20 sec.	11 hr. 10 min. 33 sec.
16GB	1 hr. 49 min. 48 sec.	3 hr. 25 min. 54 sec.	12 hr. 28 min. 47 sec.	7 hr. 13 min. 30 sec.	13 hr. 43 min. 40 sec.	22 hr. 52 min. 47 sec.	15 hr. 15 min. 11 sec.	27 hr. 27min. 20 sec.	45 hr. 45 min. 35 sec.

** Actual frame rate is 23.976 fps.

*** Actual frame rate is 29.97 fps.

Playback Specifications

Playback Modes File

- Easy, Auto Rotate (Automatic vertical/horizontal detection), Resume Playback, Image Advance (Operation Tools, Transition effects, Scroll Display), Rotate, Jump, Slide Show (Playback Interval, Repeat, Effect, Playlist)

- Still Images: Single, Index, Magnification, Resize, i-Contrast, Focus Check, Histogram, Overexposure Warning, Red-Eye Correction

- Movies: Normal Playback*, slow motion**, pause, first frame, last frame, next frame, previous frame, fast forward, fast rewind

* Audio settings available in 5 levels.

** 5 levels (including normal playback), sound not available.

Erasing Specifications

Erase Modes

Still Image: single image, all images

Video: any video file

Interfaces

Computer Interface

USB 2.0 Hi-Speed (mini-B jack)

Video Out

NTSC/PAL

Audio Out

Monaural

Other

Memory card slot; direct connection to Canon SELPHY Compact Photo Printers, PIXMA Inkjet Photo Printers and PictBridge-compatible printers via camera's USB 2.0 Hi-Speed cable

Power Supply

1. 2 AA batteries (Alkaline NiMH batteries NB-3AH x2)

2. Compact Power Adapter CA-PS800 (Used together with the DC Coupler DR-DC10) Approx. 200 shots Alkaline batteries: Approx. 8 hours

AA NiMH batteries: Approx. 11 hours

Power Source

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Playback Time

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AA NiMH batteries: Approx. 11 hours

Physical Specifications

Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

3.84 x 2.46 x 1.21 in. / 97.5 x 62.5 x 30.7mm

Weight

Approx. 6.53 oz./185 g (including the battery and memory card)

Approx. 4.83 oz. / 137g (camera body only)